

FIG. 1

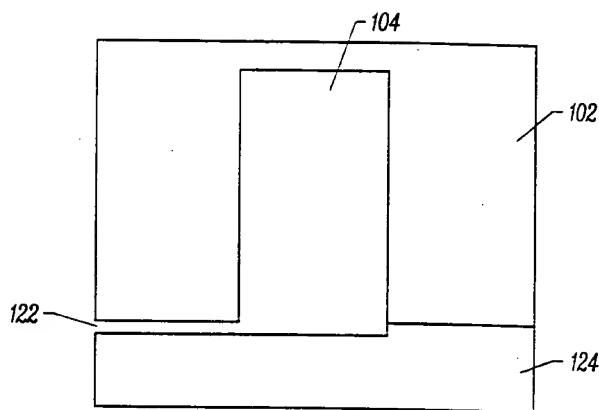


FIG. 2A

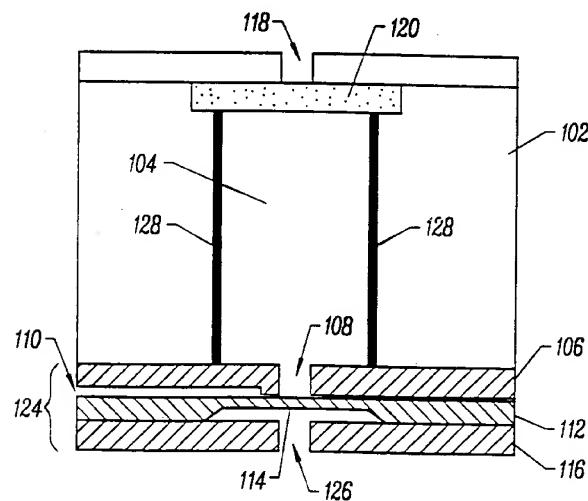


FIG. 2B

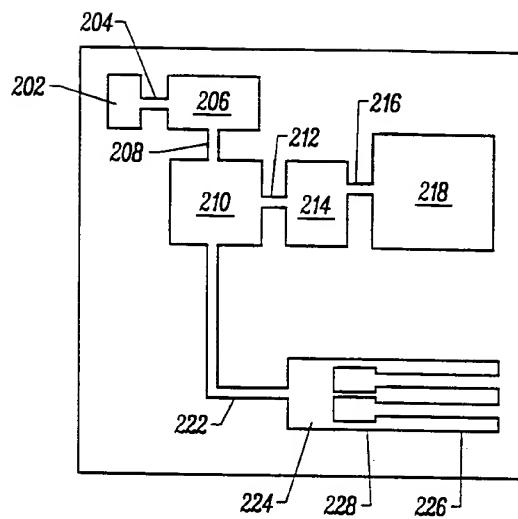
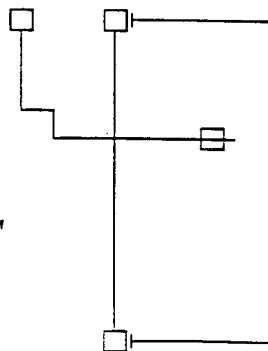
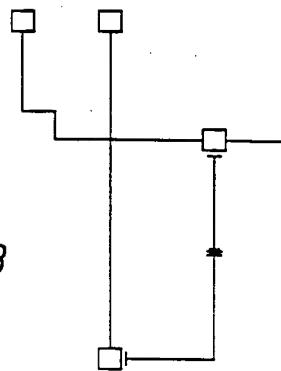
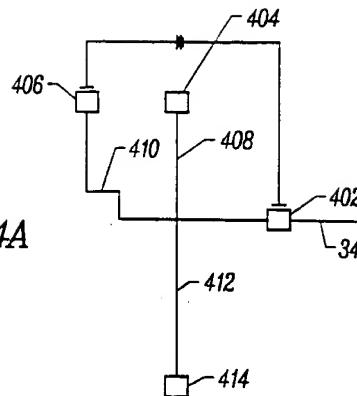


FIG. 3



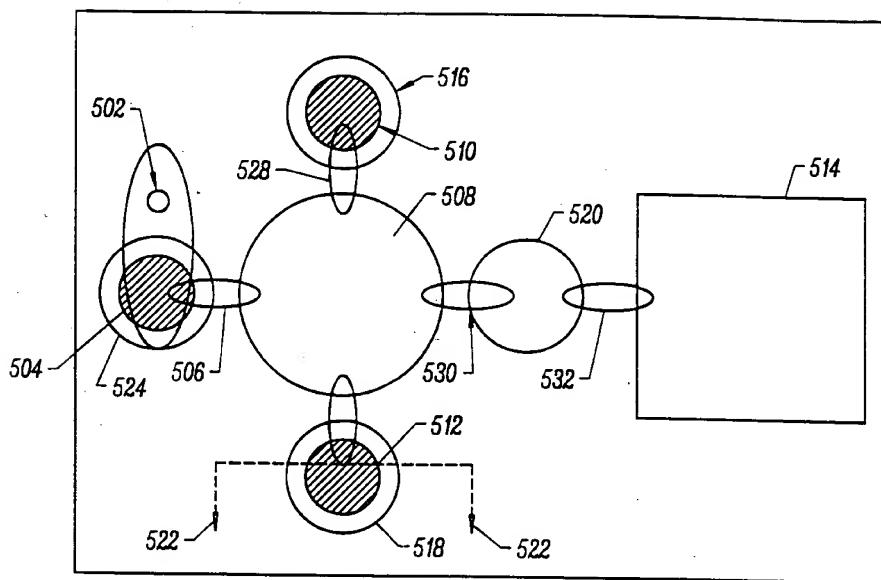
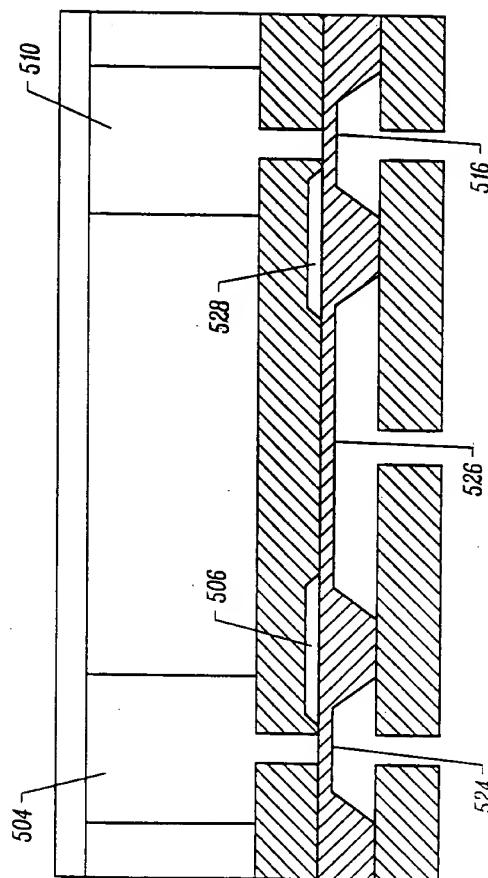


FIG. 5A

FIG. 5B



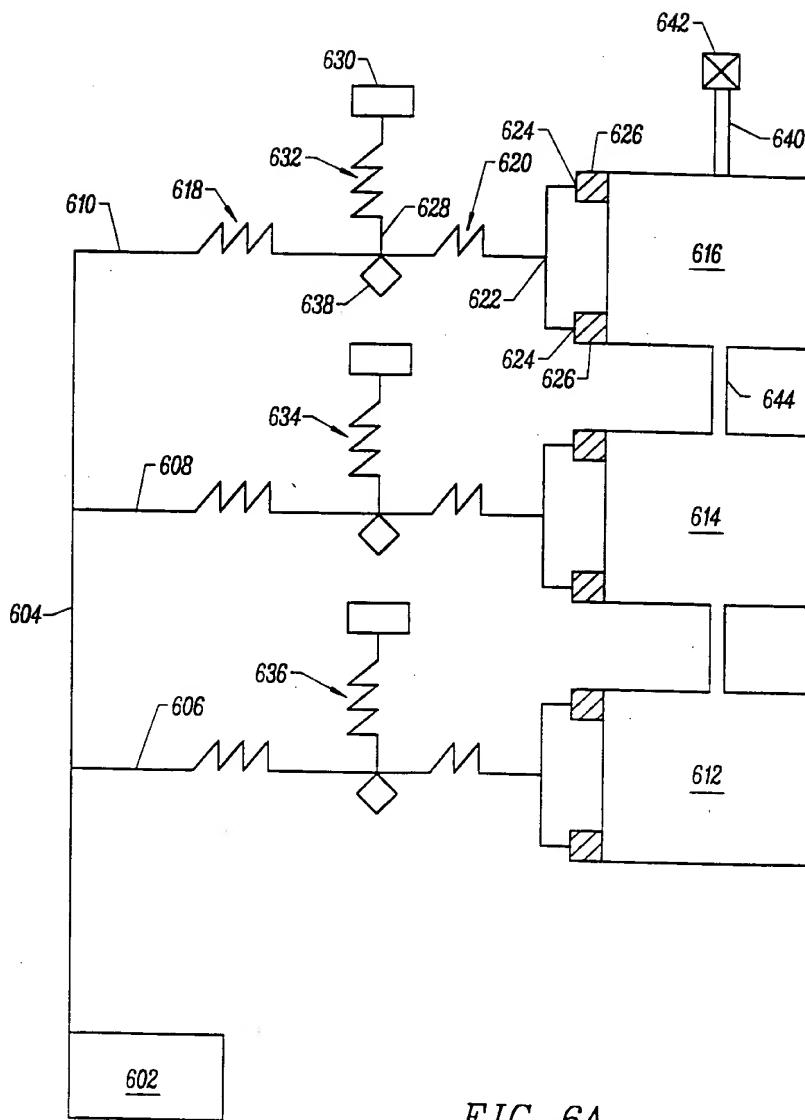


FIG. 6A

00751656-123100

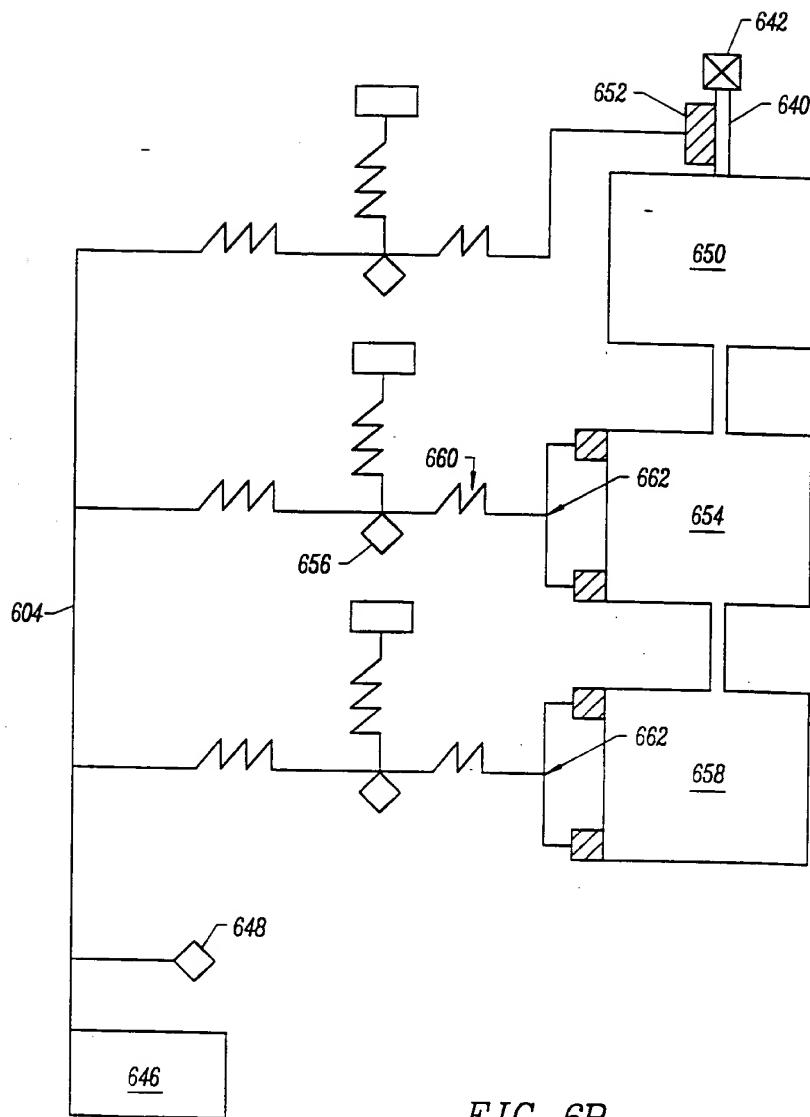
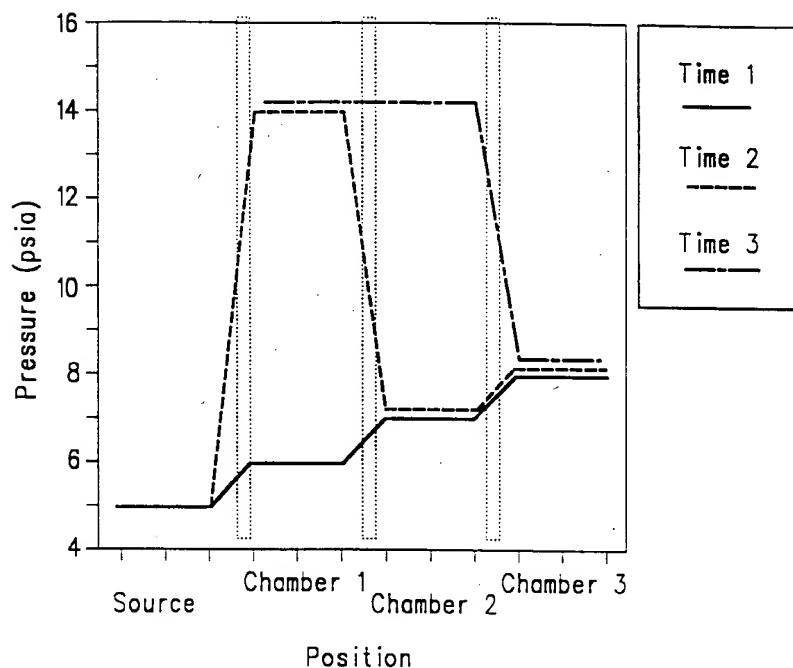


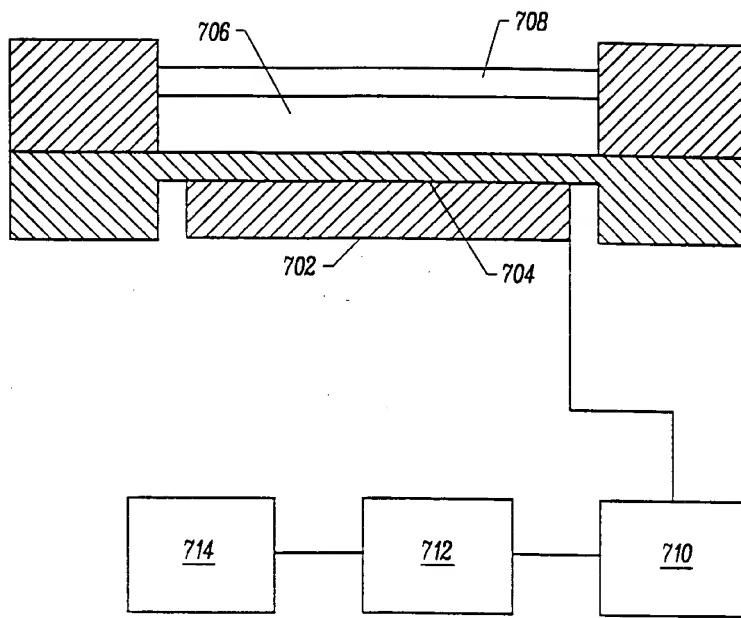
FIG. 6B

09751636 - 123100

Pressure Distribution Among Control Nodes



*FIG. 6C*



*FIG. 7A*

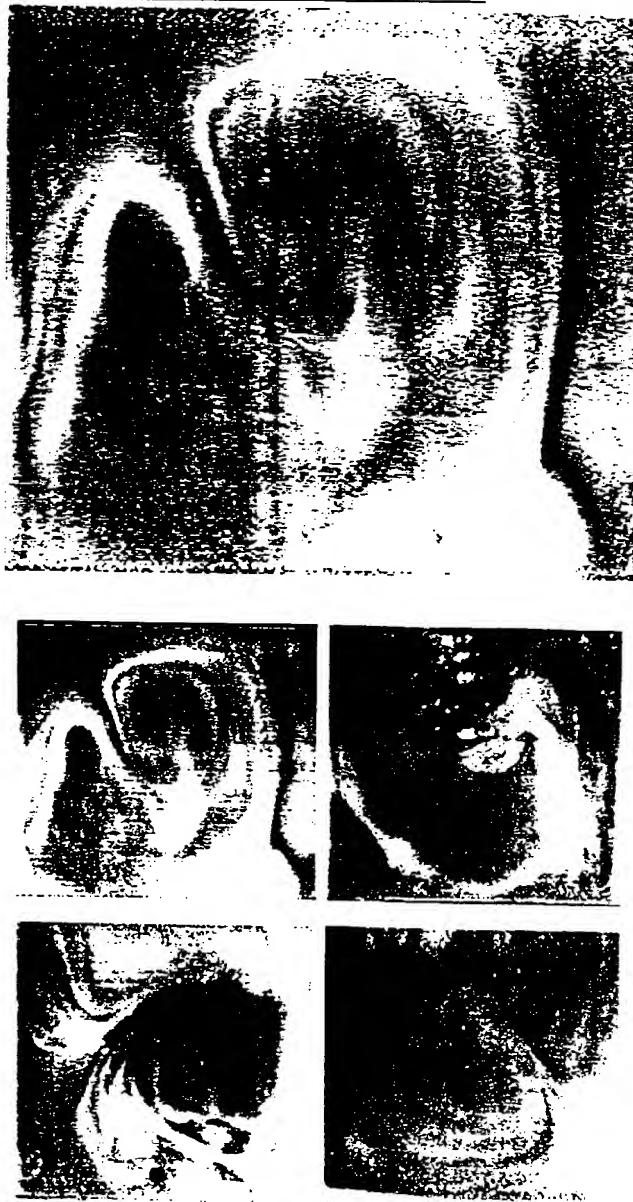
Flow Visualization

FIG. 7B

000421-8558-123400

CONFIDENTIAL 859875760

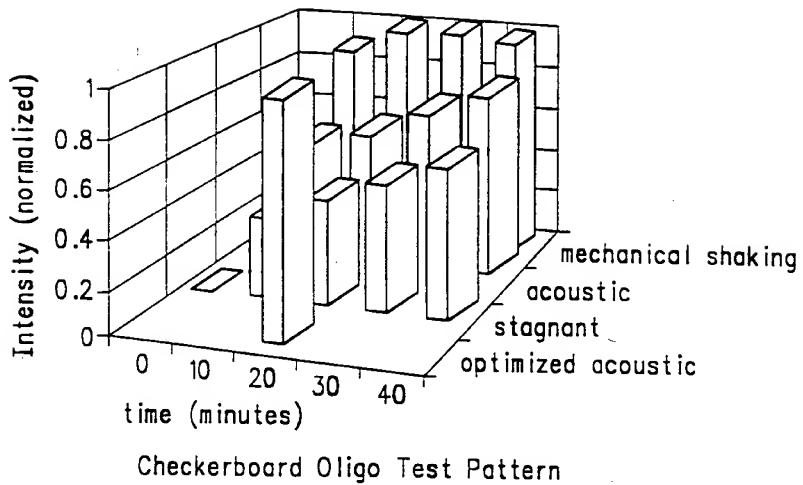
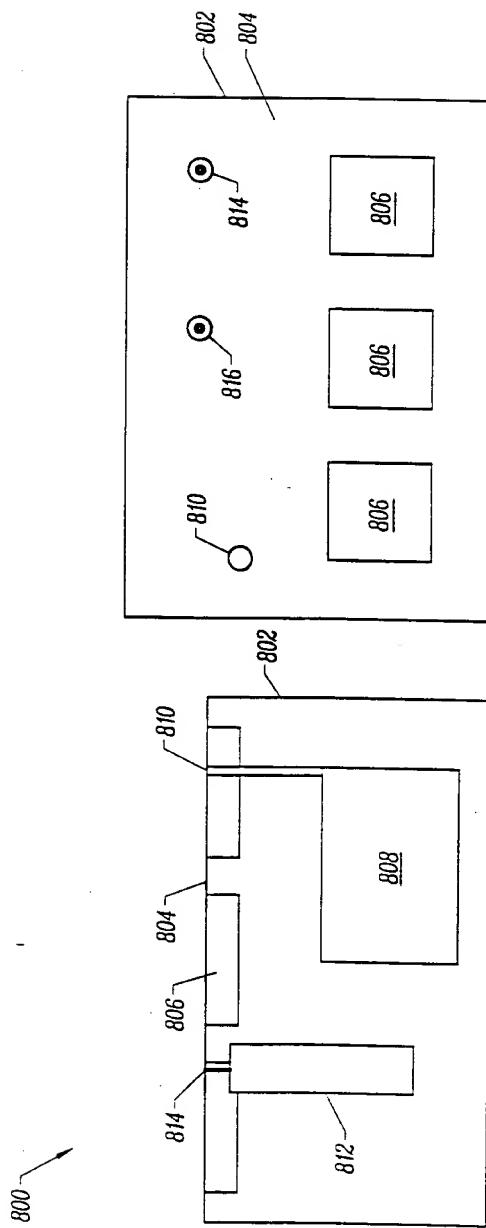


FIG. 7C

FIG. 8



007227 3597512610

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Cycles:	[35]	Ini Den	Den	Ann	Fin	Ext	Hold
Temp	94.0	94.0	65.0	72.0	72.0	10.0	
Time(s)	60	20	40	50	60	1000	
Temp Hem	0	0	0	42	0	981	
Cyc Hem	[19]	St. Time [Min]	85.4	Tue. Nov. 14, 1995			

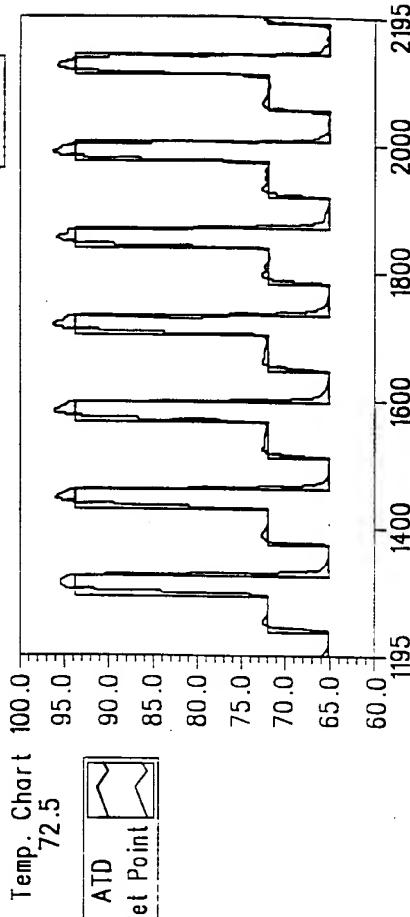
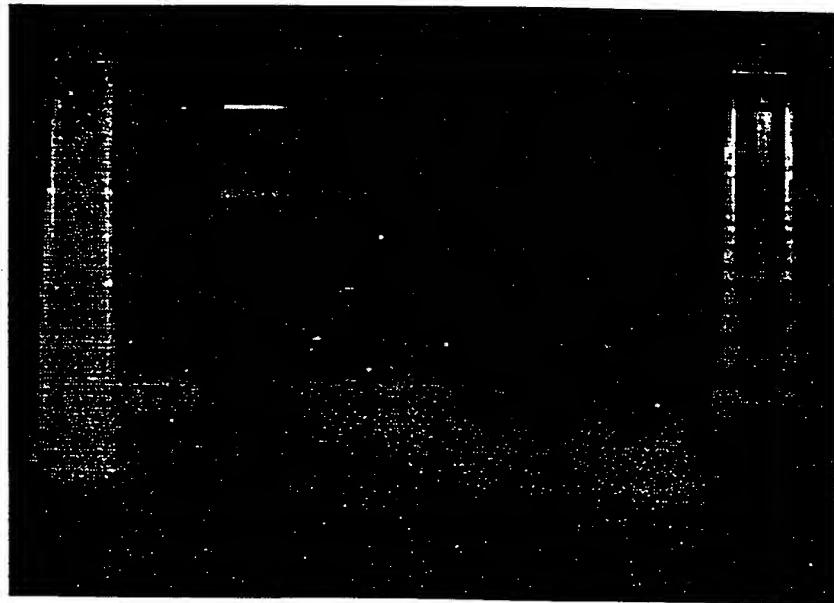


FIG. 9

## Effect of Fragmentation Time at 94C

$t = 0 \quad 5 \quad 10 \quad 30 \quad 60 \quad 120$  minutes



Correct Call Rates:

74%	95.8%	95.9%
95.9%	95.5%	83%

FIG. 10A

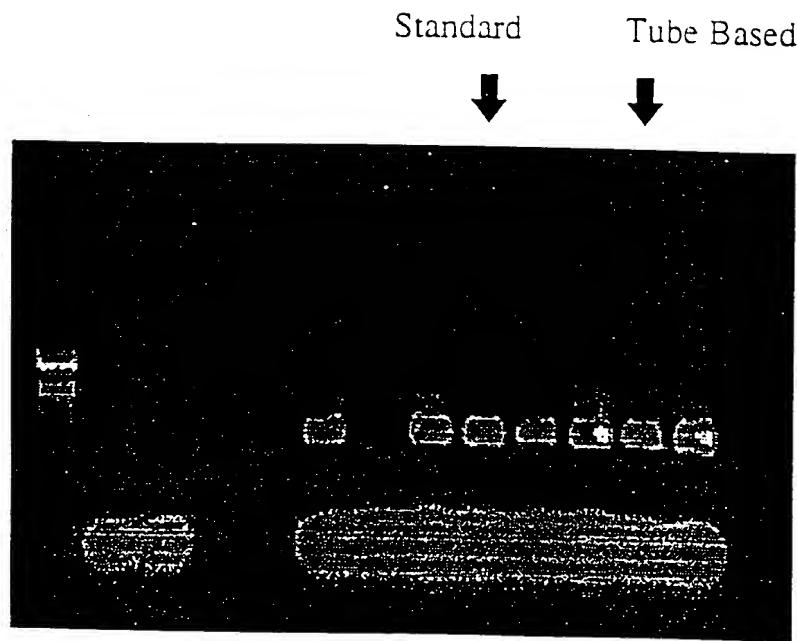


FIG. 10B

## PCR Results

### ■ PCR:

amplification:  $10^9$  (35 cycles)

control      microchamber

▼      ▼



FIG. 10C

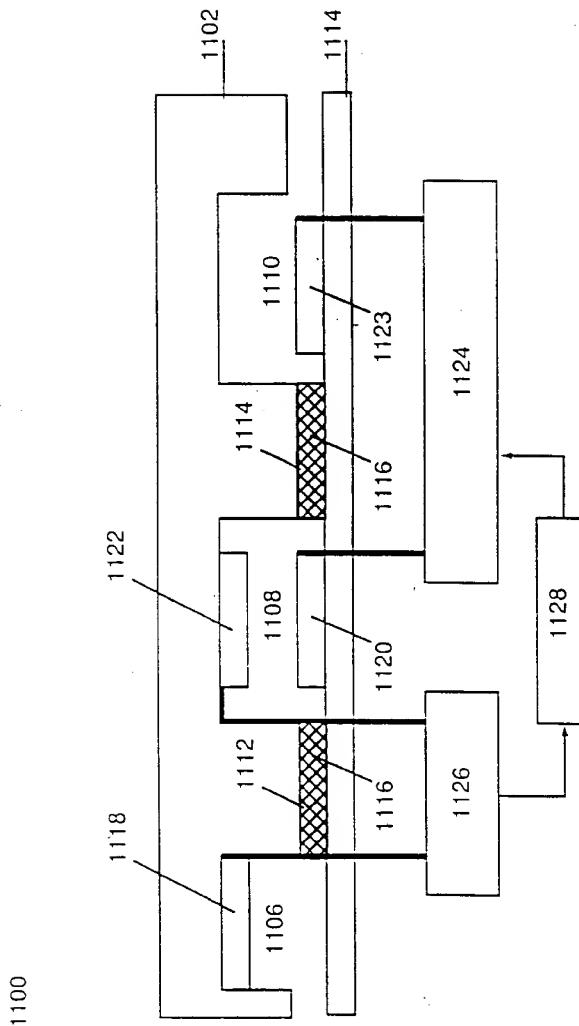


Figure 11

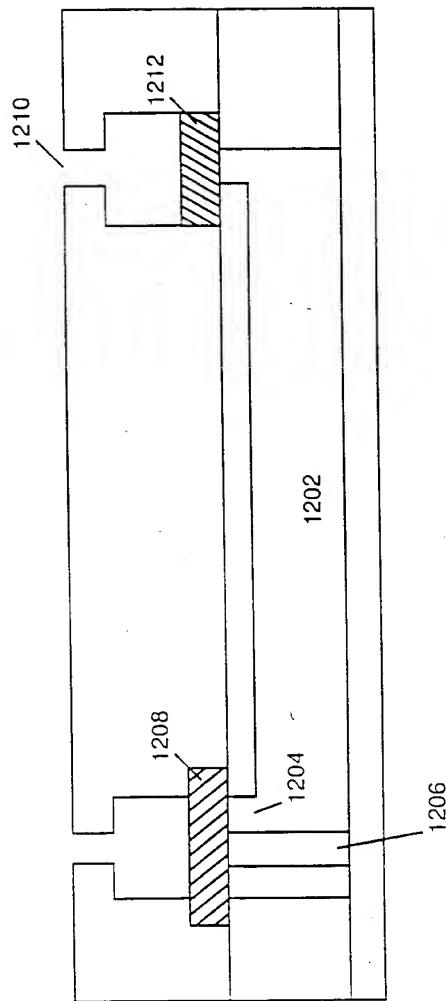


Figure 12a

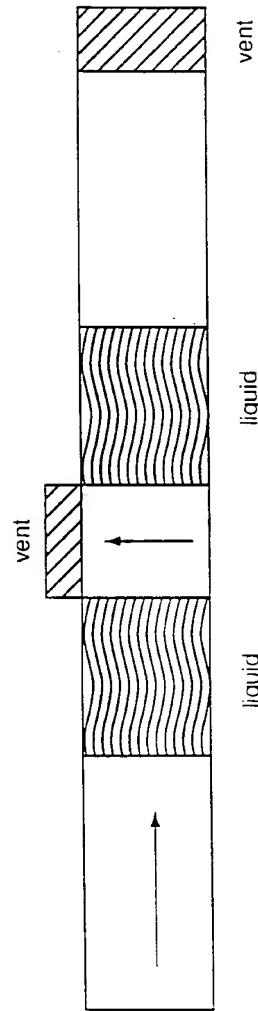


Figure 12b

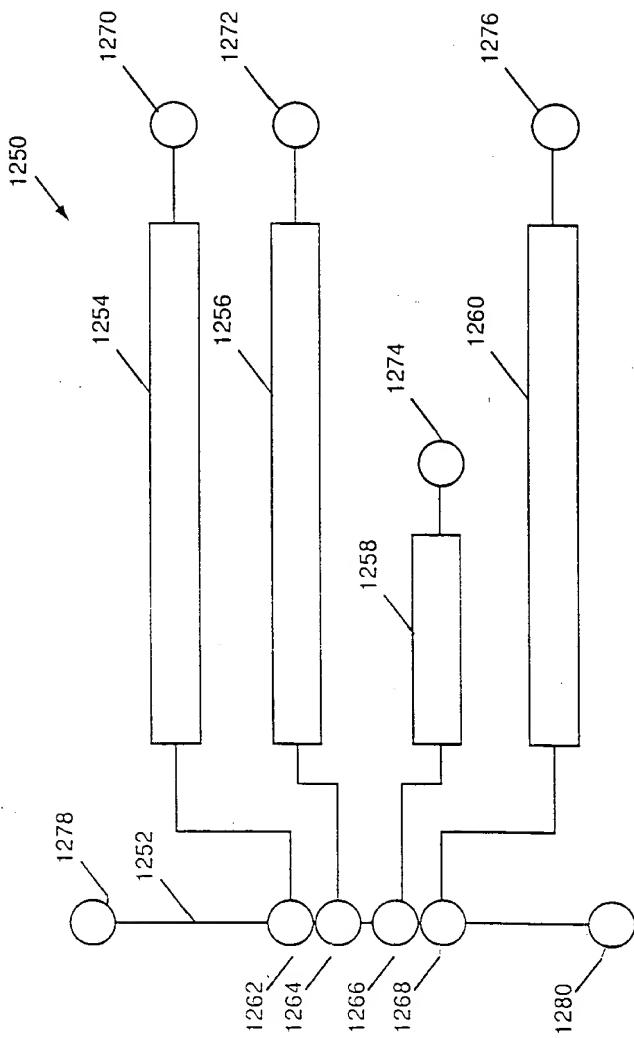


Figure 12c

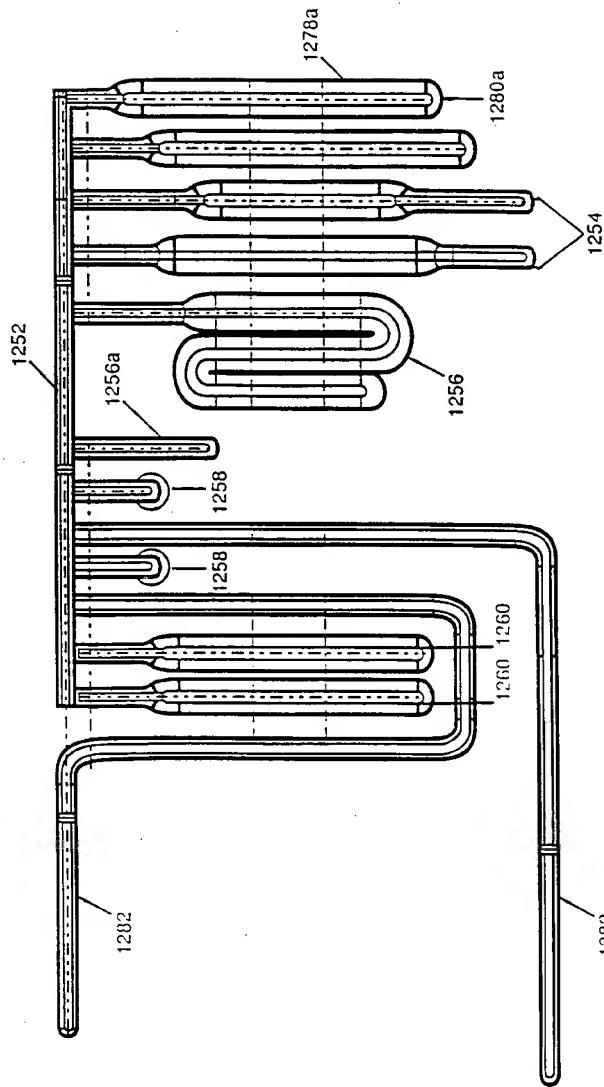


Figure 12d

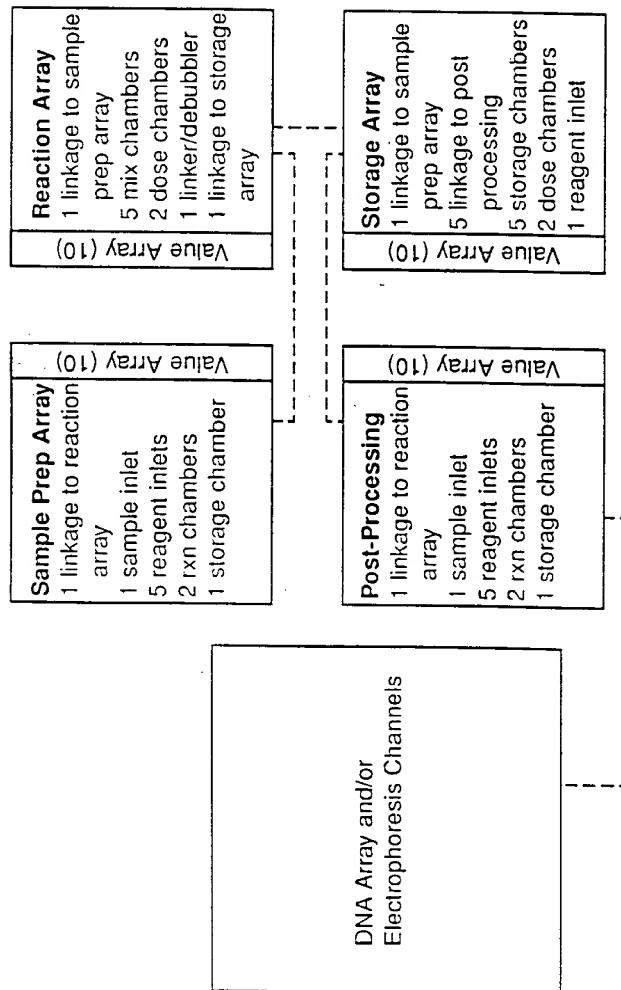


Figure 13

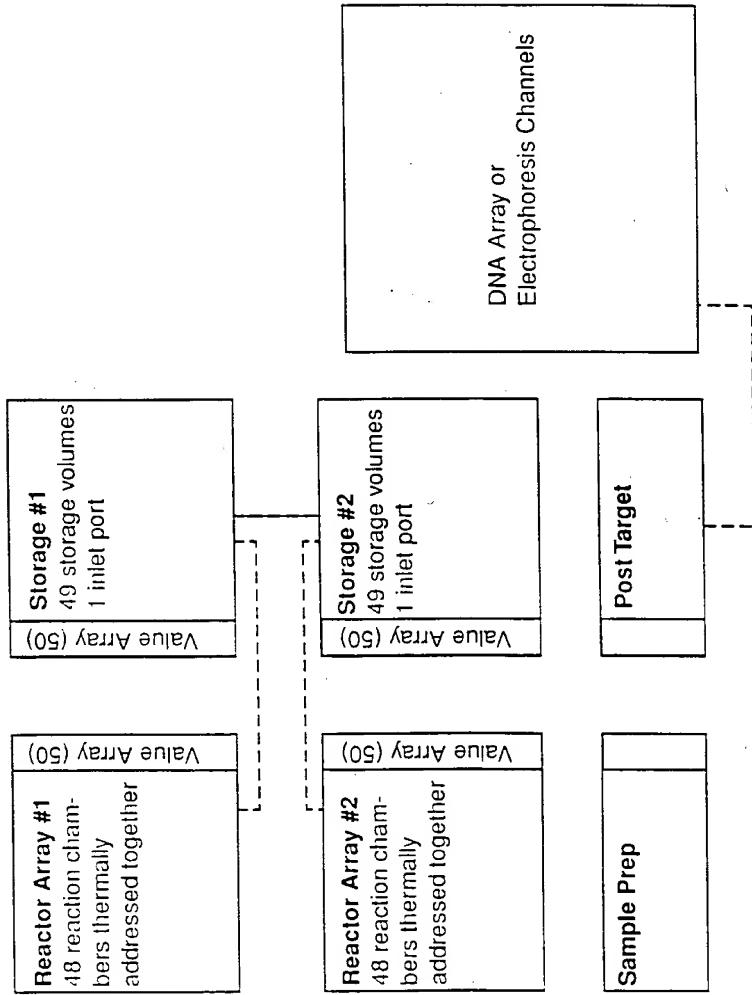


Figure 14

## Thermal Configuration

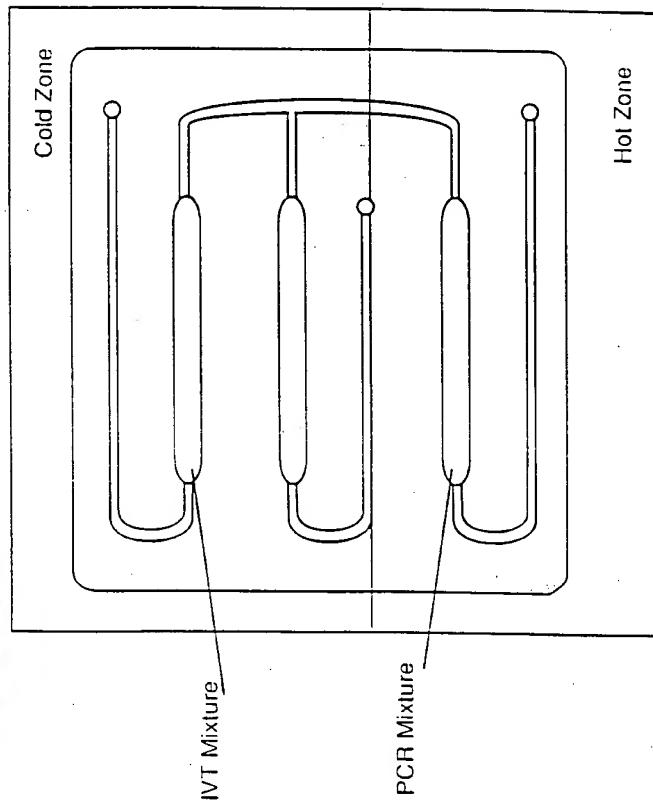


Figure 15a

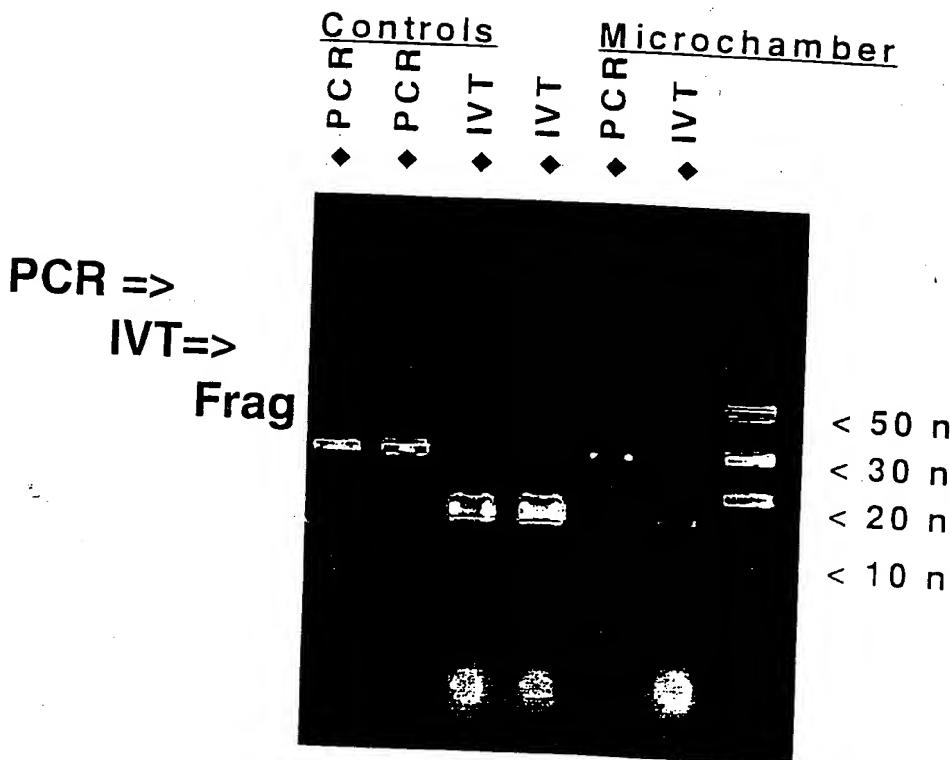


Fig. 15B